



GIS Analyst
Land Management Division
Recruitment # 2007-03-6883

AGENCY MISSION AND CHALLENGE:

The mission of the Department of Natural Resources (DNR) is to provide professional, forward-looking stewardship of our state lands, natural resources, and environment. DNR provides leadership under the Commissioner of Public Lands, an elected official, in creating a sustainable future for the State Trust Lands.

At the DNR, we envision a future in which our human and natural environment provides abundant and diverse social, ecological, and economic benefits for the people of Washington, in this and all future generations. In acting to ensure the vision, we ensure sustainability.

DNR manages over 5 million acres of state-owned land that includes forest, range, commercial, agricultural and aquatic lands. Since 1970 DNR-managed lands have generated \$6 billion that support public schools, state institutions and county services. These lands also provide public benefits that include fish and wildlife habitat, clean and abundant water and public access to outdoor recreation. The DNR operates with a biennial budget of approximately \$400 million and has over 1300 employees. For more information about the department, see the DNR website at www.dnr.wa.gov

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| Job Classification: | Information Technology Specialist 4 |
| Type of Position: | This is a permanent position. This position is represented by the WFSE. Once appointed to this position the incumbent will be required to pay union dues or other representation fee within the first 30 days of employment. |
| Monthly Salary Range: | \$3,908 – \$5,003 depending on qualifications |
| Benefits Package: | Health and dental insurance, retirement pension, vacation, sick leave and holidays |
| Posting Date: | March 07, 2007 |
| Closing Date: | Open until filled |
| Location: | Olympia, WA |

POSITION PROFILE

As an analyst of Geographic Information System (GIS) for the State Uplands GIS Program, this position analyzes, designs, scopes, and constructs spatial database by using ArcGIS and raster analysis for State Trust forest management programs and information system delivered to decision makers.

GIS Analysis and Tool Development (60%):

- Developing programming code and implementing GIS procedures and protocols for creating modeling datasets to support harvest scheduling, forest land planning and related analyses.
- Analyzing, designing, scoping and building GIS tools and databases for use in environmental analysis by using ArcGIS and its raster component to quickly respond to policy alternative analysis requested by executive management and agency programs.
- Making recommendations on streamlining and automating systems.

Customer Support and Consultation (20%):

- Providing technical solutions, analysis and mapping services to the State Uplands GIS Program, Forest Inventory Program and the Forest Land Planning Program.
- Making recommendations on applications and data processes that need to migrate to ArcGIS environment.
- Converting existing processes and AMLs to ArcGIS scripting/programming languages and geodatabases.
- Building internal team capacity with ArcGIS.

Research and Development (10%):

- Researching and evaluating IT solutions to help improving data stewardship services provided to decision makers.
- Evaluating new procedures and technologies as they arise for integrating GIS and spatial planning into strategic and tactical forestland management planning.

Data Stewardship (10%):

- Stewarding some of the State Land dataset and applications.
- Determining user requirements for data quality, security, access and integration.
- Coordinating with Divisions and Regions to ensure data integrity and usability and providing standards and instruction to perform data edits.

REQUIRED POSITION QUALIFICATIONS

Key Knowledge and skills

- Proven GIS analytical skills.
- Extensive practical experience with MS Excel, spatial database design, DBMS software such as MS Access and Oracle.

Required Education and Experience:

- A Bachelors degree in Natural Resource Sciences, Computer Sciences or GIS and 3 years experience analyzing GIS data and processes OR A Masters degree in Natural Resource Sciences, Computer Sciences or GIS and 1 years experience analyzing related GIS data and processes.
- Experience must include at least 1 year of programming in ArcGIS.

Behavioral Competencies:

- Demonstrated ability to think creatively, take initiative, and function effectively and responsibly with little supervision in a team setting.
- Outstanding interpersonal and collaboration skills.
- Excellent oral and written communication skills.

DESIRED POSITION QUALIFICATIONS

- General understanding of forest management principles (forest inventory, timber sales, growth and yield, etc.)
- Good understanding of GIS raster analysis to create spatially explicit data.

SPECIAL POSITION REQUIREMENTS AND WORKING CONDITIONS

- This incumbent in this position required some travel.
- Must be at least 18 years of age at the time of hire.
- Must have a valid driver license and have at least two years of driving experience.

WHO MAY APPLY

This recruitment is open to anyone who meets the required qualifications for this position.

APPLICATION PROCESS

To be considered for this position please submit:

- A letter of interest describing how your experience and qualifications relate to the job profile and the required and desired position qualifications. Indicate in your letter of interest how you learned of this opportunity.
- A completed state application – www.dnr.wa.gov/jobs/stateapp.doc
- If selected for interview, you will be required to provide a driving abstract issued from the state in which you are currently licensed.

The first screening will be based on information contained in your letter of interest and your state application.

Submit all materials by the closing date to:

| Electronic method preferred | OR other method |
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| dnrrecruiting@wadnr.gov | Roberta Searles Department of Natural Resources PO BOX 47033 Olympia, WA 98504-7033 |

NOTE: Please indicate GIS Analyst, Recruitment #2007-03-6883 in the subject line of your e-mail.

By submitting the application materials you are indicating that all information is true and correct to the best of your knowledge. You understand that the state may verify information and that untruthful or misleading information is cause for removal from applicant pool or dismissal if employed.

For more information about this position, the qualifications or the Department please feel free to contact Eric Aubert, hiring supervisor, at eric.aubert@wadnr.gov

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